

METHOD AND SYSTEM FOR UPDATING
DATA IN A COMPRESSED READ CACHE

ABSTRACT

5 In a first aspect, a method is provided for
updating a compressed cache. The method includes the steps
of (1) initiating an update routine for replacing first data
stored within the cache with second data, wherein a first
section of a compressed data band stored in the cache
10 includes the first data and a second section of the
compressed data band includes third data; and (2) in
response to initiating the update routine, replacing the
first data within the compressed data band with the second
data without decompressing the third data. Numerous other
5 aspects are provided.